

I claim as my invention:

- SUB B1*  
*5*  
*252/71*
1. A heat transfer surface having a thermal conductivity substantially greater than silver.
  2. The heat transfer surface of claim 1 comprising sodium chromate, silver dichromate, and monocrystalline silicon.
  - 10 3. The heat transfer surface of claim 2 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.
  4. The heat transfer surface of claim 3 wherein said monocrystalline silicon is powder during said magnetic resonating step.
  - 15 5. The heat transfer surface of claim 1 wherein said monocrystalline silicon has a purity greater than 99.999%
- sub A1*

*SUB B1*  
6. A heat transfer surface having a thermal conductivity which substantially increases above an activation temperature.

5 7. The heat transfer surface of claim 6 comprising sodium chromate, silver dichromate, and monocrystalline silicon.

8. The heat transfer surface of claim 7 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.

10 9. The heat transfer surface of claim 8 wherein said monocrystalline silicon is powder during said magnetic resonating step.

*Sub A2*  
15 10. The heat transfer surface of claim 6 wherein said monocrystalline silicon has a purity greater than 99.999%.